

Source: Esri, DigitalGlobe, GeoEye, i-cubed, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community

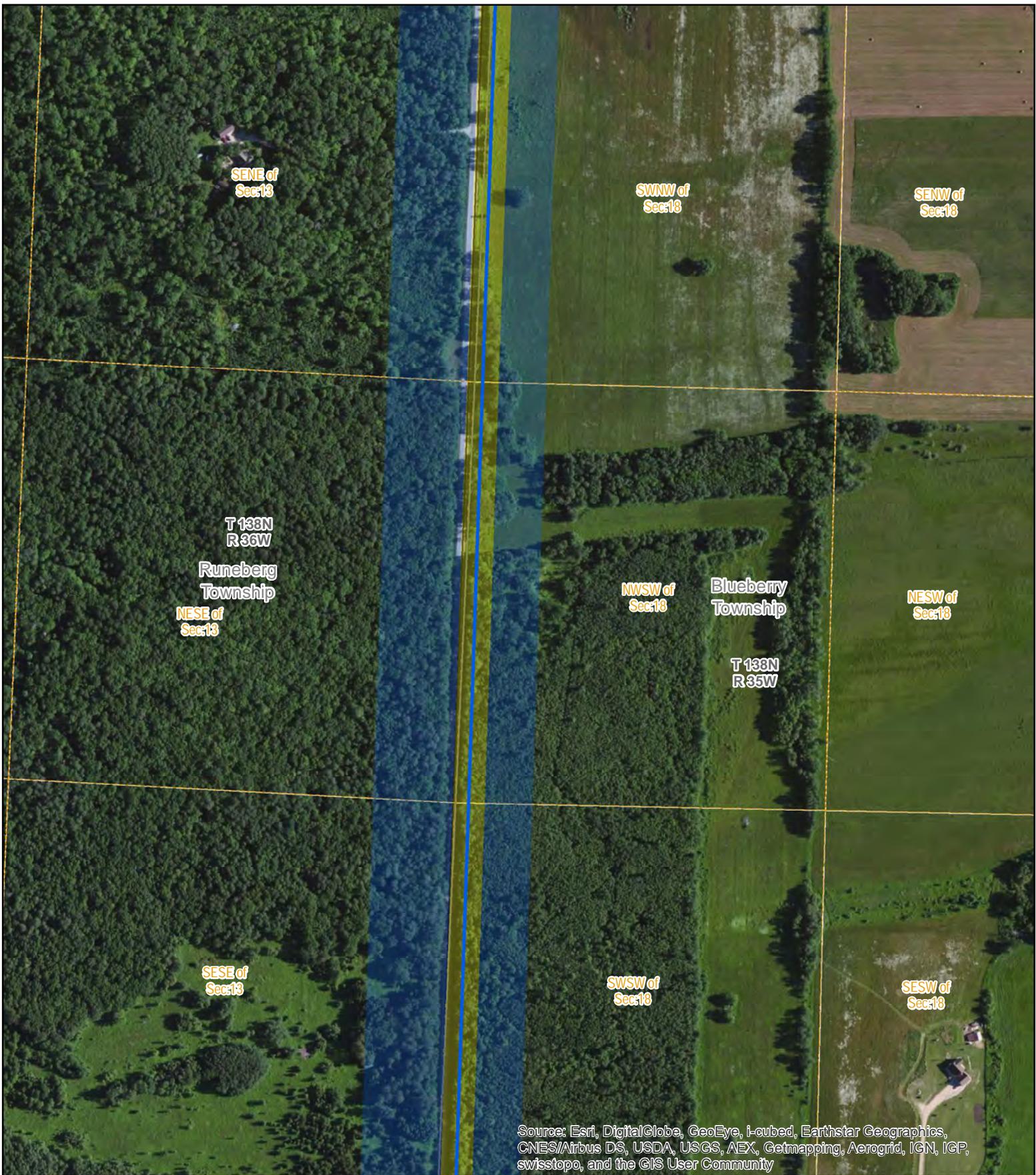
Great River Energy	Todd-Wadena Electric	Existing 250 kV Transmission Line
Proposed Route (500' width)	Proposed Distribution Substation	Structure
Proposed Easement Area (100' width)	Existing Distribution Substation	Residence 50-100' (0)
Proposed Alignment - Single Circuit 115 kV	Minnesota Power	Residence 100-150' (0)
Proposed Alignment - Double Circuit 115 kV	Proposed Transmission Substation	Residence 150-250' (0)
Proposed Transmission Substation	Existing Distribution Substation	Commercial / Industrial 50-100' (0)
Existing 34.5 kV Transmission Line	Other Electric Transmission Utility	Non-Residential Building 0-250' (0)
Existing 115 kV Transmission Line	Existing 34.5 kV Transmission Line	Minnesota Pipe Line
Existing Transmission Substation	Existing 115 kV Transmission Line	Proposed Pump Station
Proposed Substation Fence	Existing 230 kV Transmission Line	Existing Pipeline

Menahga Area 115 kV Project
Appendix G - Detailed Route Maps
Map Sheet 17 of 35

N
 0 50 100 200 Feet
 GIS Data sources include:
 MNGEO, MNDNR, MNDOT, and Great River Energy.

GREAT RIVER ENERGY
 A Touchstone Energy Cooperative





Source: Esri, DigitalGlobe, GeoEye, i-cubed, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community

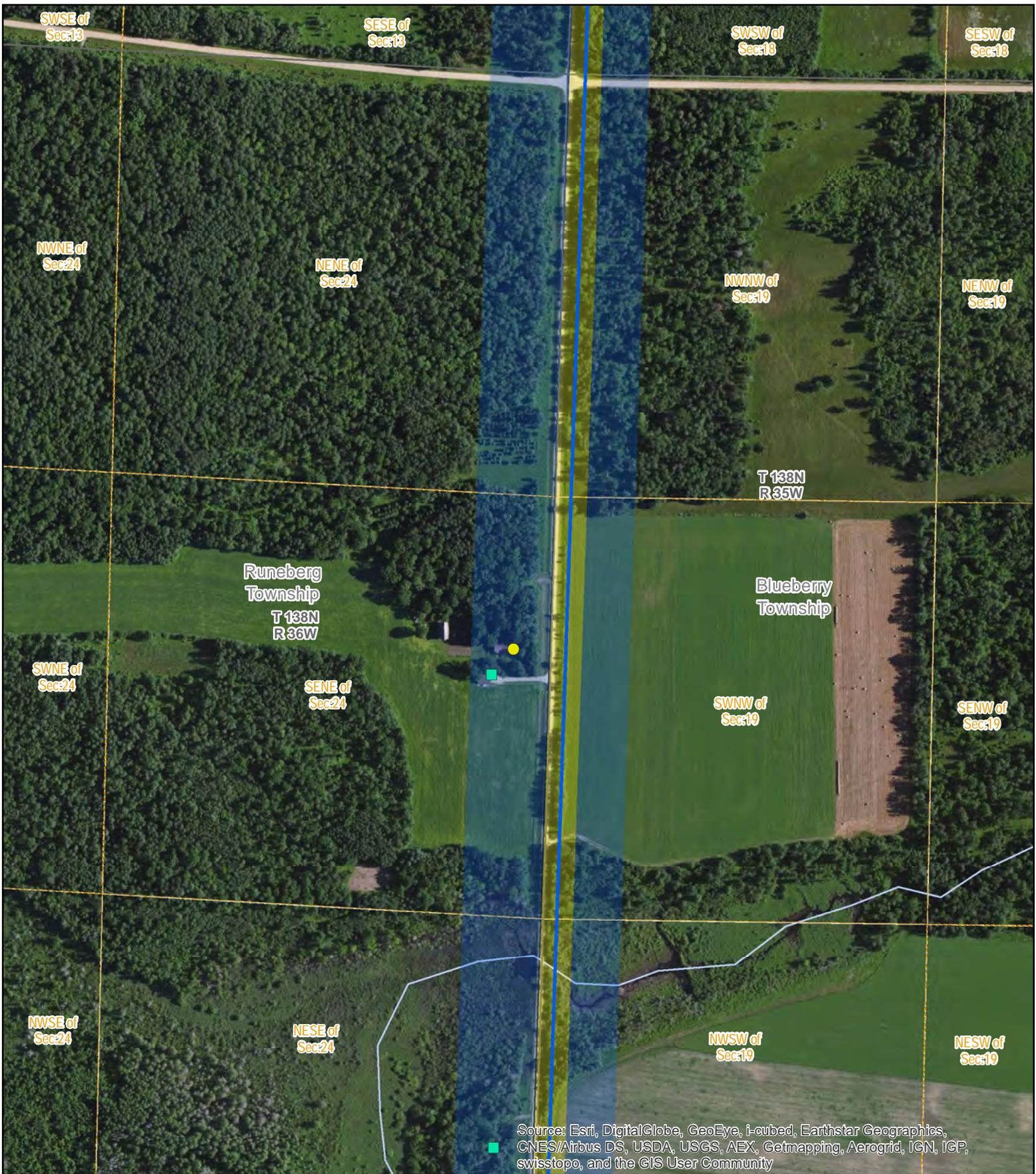
- | | | |
|--|-------------------------------------|-------------------------------------|
| Great River Energy | Todd-Wadena Electric | Existing 250 kV Transmission Line |
| Proposed Route (500' width) | Proposed Distribution Substation | Structure |
| Proposed Easement Area (100' width) | Existing Distribution Substation | Residence 50-100' (0) |
| Proposed Alignment - Single Circuit 115 kV | Minnesota Power | Residence 100-150' (0) |
| Proposed Alignment - Double Circuit 115 kV | Proposed Transmission Substation | Residence 150-250' (0) |
| Proposed Transmission Substation | Existing Distribution Substation | Commercial / Industrial 50-100' (0) |
| Existing 34.5 kV Transmission Line | Other Electric Transmission Utility | Non-Residential Building 0-250' (0) |
| Existing 115 kV Transmission Line | Existing 34.5 kV Transmission Line | Minnesota Pipe Line |
| Existing Transmission Substation | Existing 115 kV Transmission Line | Proposed Pump Station |
| Proposed Substation Fence | Existing 230 kV Transmission Line | Existing Pipeline |

Menahga Area 115 kV Project
Appendix G - Detailed Route Maps
Map Sheet 18 of 35

N
0 50 100 200 Feet
GIS Data sources include:
MINGEO, MNDNR, MNDOT, and Great River Energy.

GREAT RIVER ENERGY
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Source: Esri, DigitalGlobe, GeoEye, i-cubed, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community

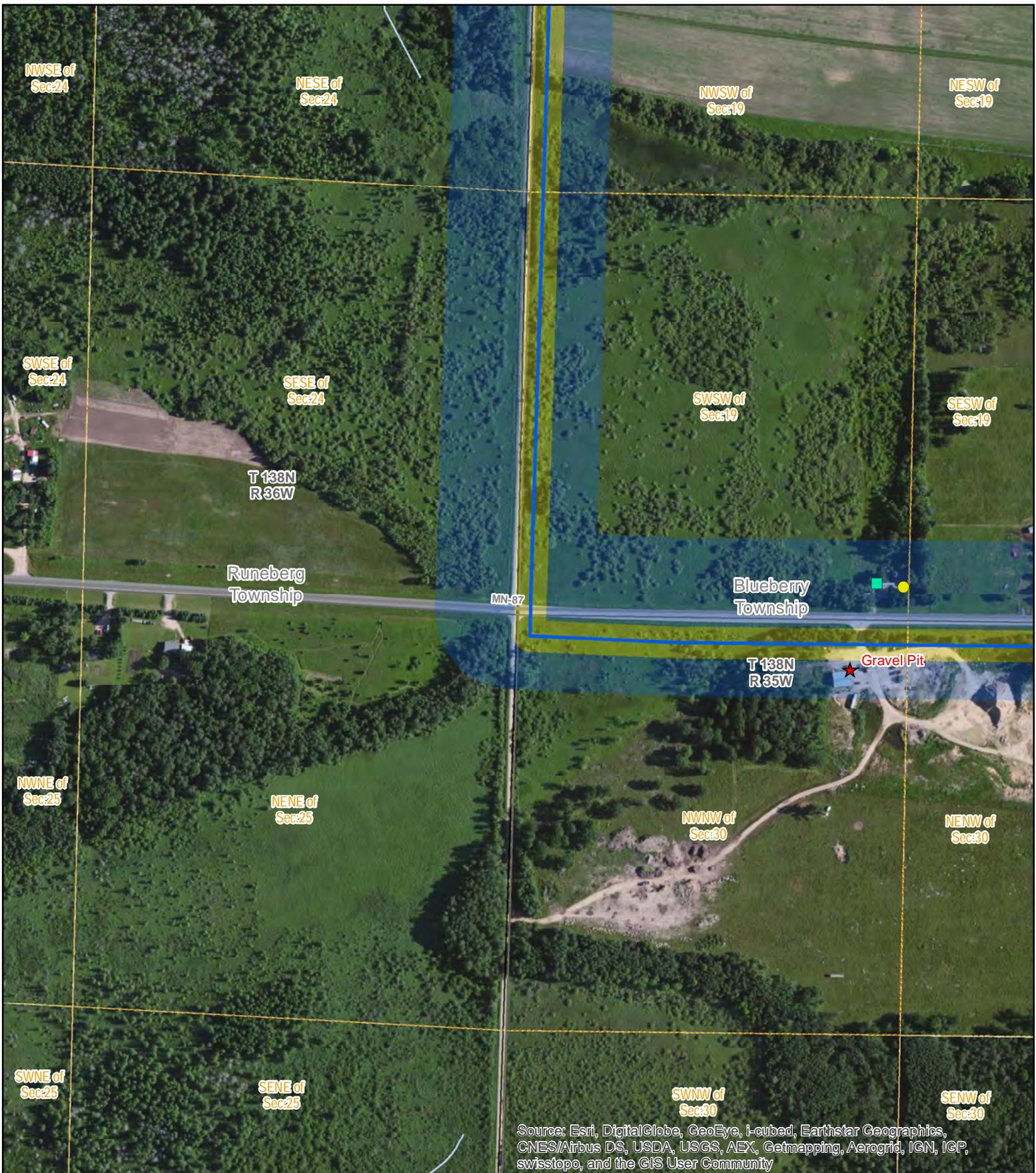
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|--|-------------------------------------|---------------------------------------|
| Great River Energy | Todd-Wadena Electric | Existing 250 kV Transmission Line |
| Proposed Route (500' width) | Proposed Distribution Substation | Structure |
| Proposed Easement Area (100' width) | Existing Distribution Substation | ● Residence 50-100' (0) |
| Proposed Alignment - Single Circuit 115 kV | Minnesota Power | ● Residence 100-150' (0) |
| Proposed Alignment - Double Circuit 115 kV | Proposed Transmission Substation | ● Residence 150-250' (1) |
| Proposed Transmission Substation | Existing Distribution Substation | ★ Commercial / Industrial 50-100' (0) |
| Existing 34.5 kV Transmission Line | Other Electric Transmission Utility | ■ Non-Residential Building 0-250' (2) |
| Existing 115 kV Transmission Line | Existing 34.5 kV Transmission Line | Minnesota Pipe Line |
| Existing Transmission Substation | Existing 115 kV Transmission Line | Proposed Pump Station |
| Proposed Substation Fence | Existing 230 kV Transmission Line | Existing Pipeline |

Menahga Area 115 kV Project Appendix G - Detailed Route Maps

Map Sheet 19 of 35

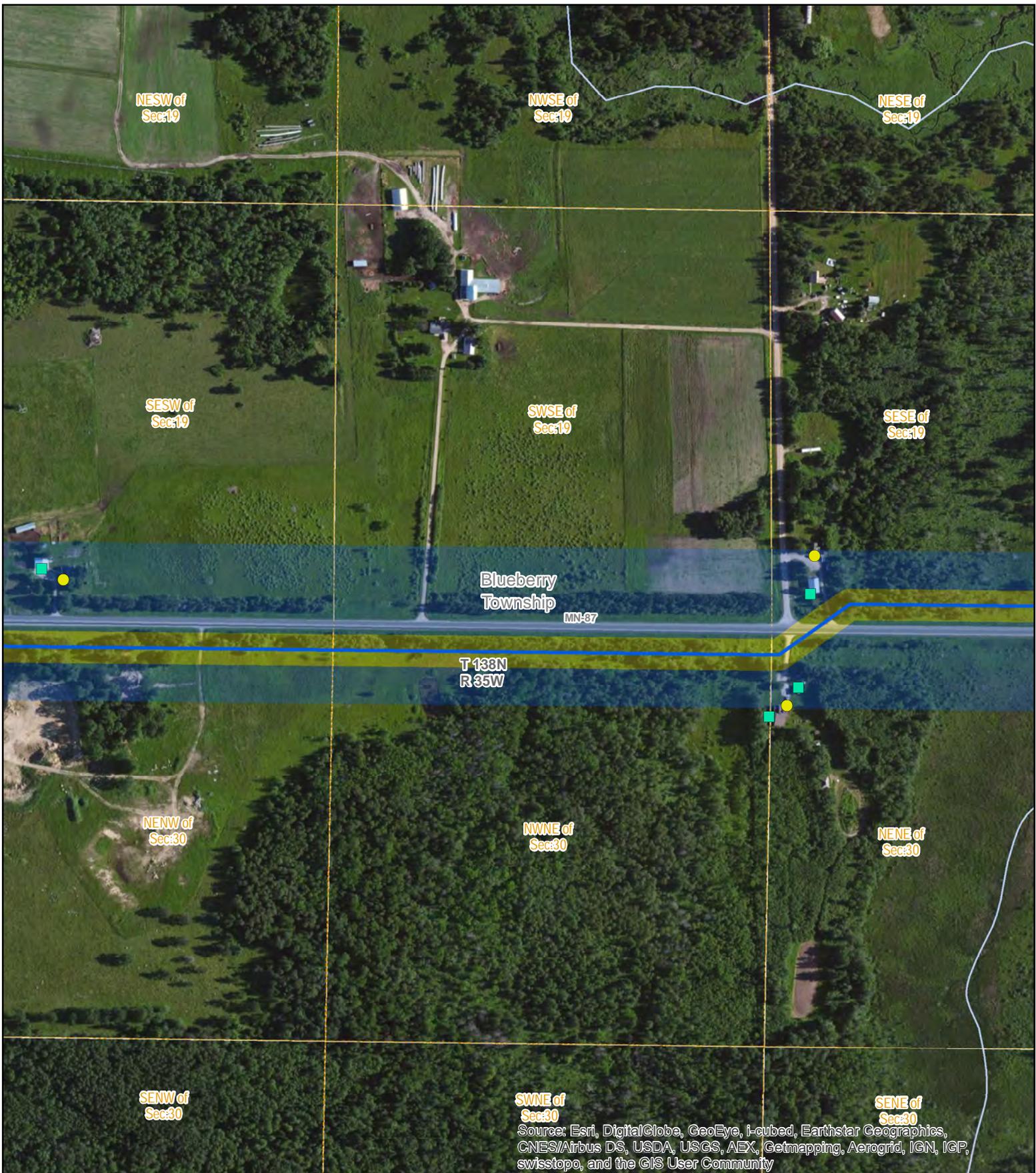
0 50 100 200 Feet
GIS Data sources include:
MINGEO, MNDNR, MNDOT, and Great River Energy.





Source: Esri, DigitalGlobe, GeoEye, i-cubed, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community

<p>Great River Energy</p> <ul style="list-style-type: none"> Proposed Route (500' width) Proposed Easement Area (100' width) Proposed Alignment - Single Circuit 115 kV Proposed Alignment - Double Circuit 115 kV Proposed Transmission Substation Existing 34.5 kV Transmission Line Existing 115 kV Transmission Line Existing Transmission Substation Proposed Substation Fence 	<p>Todd-Wadena Electric</p> <ul style="list-style-type: none"> Proposed Distribution Substation Existing Distribution Substation <p>Minnesota Power</p> <ul style="list-style-type: none"> Proposed Transmission Substation Existing Distribution Substation Other Electric Transmission Utility Existing 34.5 kV Transmission Line Existing 115 kV Transmission Line Existing 230 kV Transmission Line 	<ul style="list-style-type: none"> Existing 250 kV Transmission Line Structure Residence 50-100' (0) Residence 100-150' (0) Residence 150-250' (1) Commercial / Industrial 50-100' (1) Non-Residential Building 0-250' (1) Minnesota Pipe Line Proposed Pump Station Existing Pipeline 	<p style="text-align: center;">Menahga Area 115 kV Project</p> <p style="text-align: center;">Appendix G - Detailed Route Maps</p> <p style="text-align: right;">Map Sheet 20 of 35</p> <p>N</p> <p>0 50 100 200 Feet</p> <p>GIS Data sources include: MINGEO, MNDNR, MNDOT, and Great River Energy.</p> <p>GREAT RIVER ENERGY</p> <p style="font-size: small;">A Touchstone Energy Cooperative</p>
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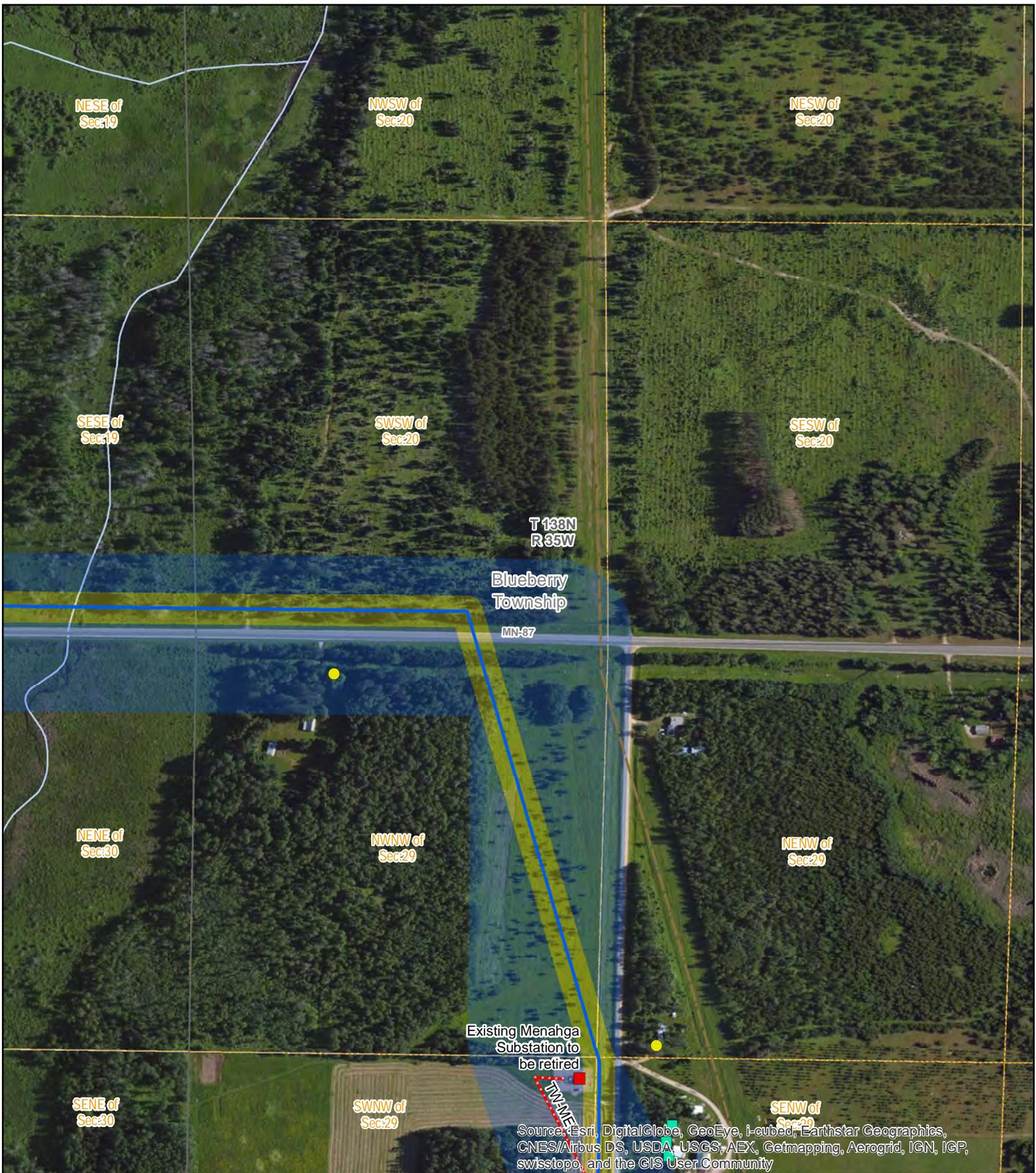


Great River Energy	Todd-Wadena Electric	Existing 250 kV Transmission Line
Proposed Route (500' width)	Proposed Distribution Substation	Structure
Proposed Easement Area (100' width)	Existing Distribution Substation	● Residence 50-100' (0)
Proposed Alignment - Single Circuit 115 kV	Minnesota Power	● Residence 100-150' (0)
Proposed Alignment - Double Circuit 115 kV	Proposed Transmission Substation	● Residence 150-250' (3)
Proposed Transmission Substation	Existing Distribution Substation	★ Commercial / Industrial 50-100' (0)
Existing 34.5 kV Transmission Line	Other Electric Transmission Utility	■ Non-Residential Building 0-250' (4)
Existing 115 kV Transmission Line	Existing 34.5 kV Transmission Line	Minnesota Pipe Line
Existing Transmission Substation	Existing 115 kV Transmission Line	Proposed Pump Station
Proposed Substation Fence	Existing 230 kV Transmission Line	Existing Pipeline

Menahga Area 115 kV Project
Appendix G - Detailed Route Maps
Map Sheet 21 of 35

0 50 100 200 Feet
 GIS Data sources include:
 MNGEO, MNDNR, MNDOT, and Great River Energy.

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Source: Esri, DigitalGlobe, GeoEye, i-cubed, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community

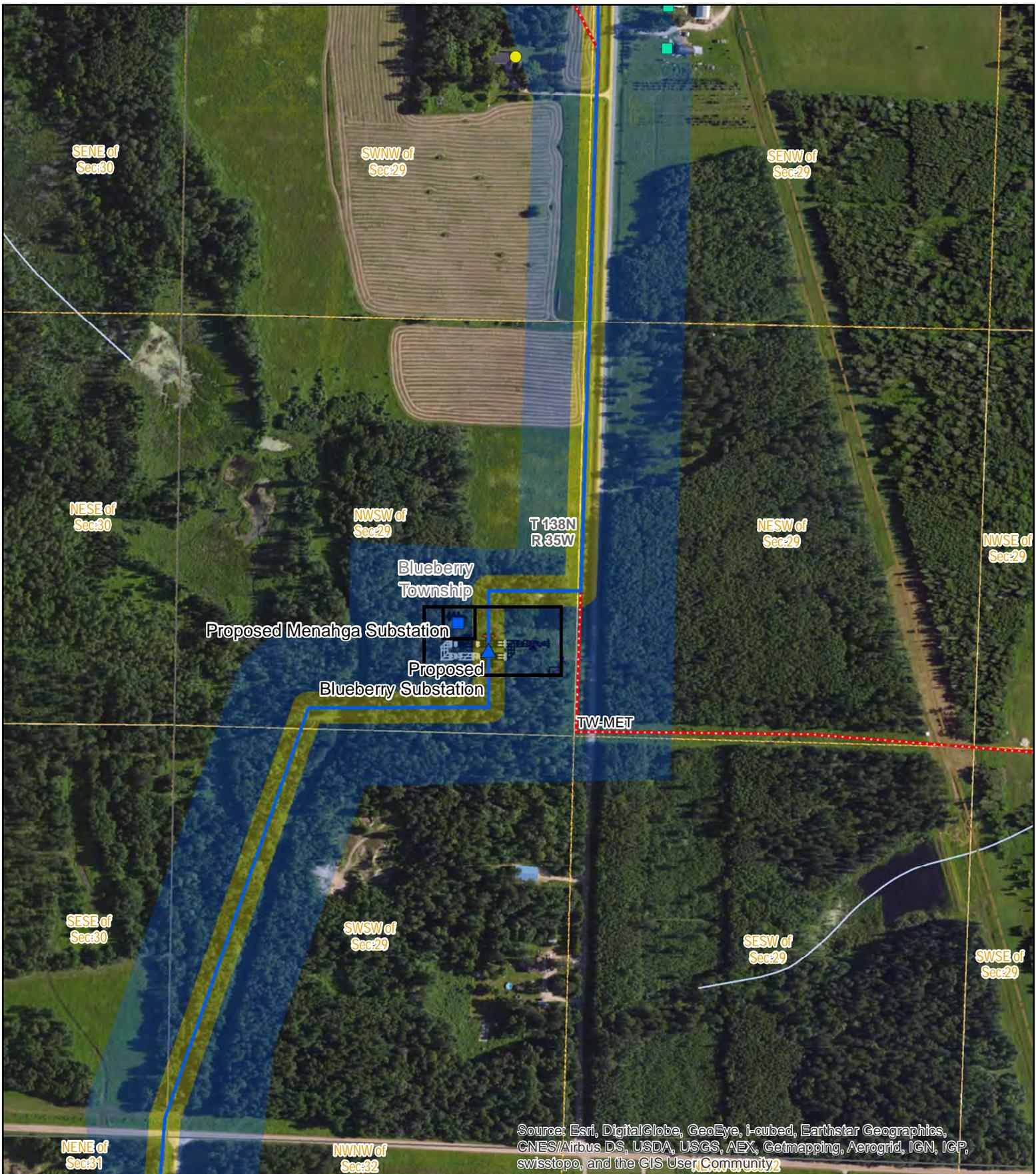
Great River Energy	Todd-Wadena Electric	Existing 250 kV Transmission Line
Proposed Route (500' width)	Proposed Distribution Substation	Structure
Proposed Easement Area (100' width)	Existing Distribution Substation	Residence 50-100' (0)
Proposed Alignment - Single Circuit 115 kV	Minnesota Power	Residence 100-150' (0)
Proposed Alignment - Double Circuit 115 kV	Proposed Transmission Substation	Residence 150-250' (2)
Proposed Transmission Substation	Existing Distribution Substation	Commercial / Industrial 50-100' (0)
Existing 34.5 kV Transmission Line	Other Electric Transmission Utility	Non-Residential Building 0-250' (3)
Existing 115 kV Transmission Line	Existing 34.5 kV Transmission Line	Minnesota Pipe Line
Existing Transmission Substation	Existing 115 kV Transmission Line	Proposed Pump Station
Proposed Substation Fence	Existing 230 kV Transmission Line	Existing Pipeline

Menahga Area 115 kV Project
Appendix G - Detailed Route Maps
Map Sheet 22 of 35

N
0 50 100 200 Feet
GIS Data sources include:
MNGEO, MNDNR, MNDOT, and Great River Energy.

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Source: Esri, DigitalGlobe, GeoEye, i-cubed, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community

Great River Energy	Todd-Wadena Electric	Existing 250 kV Transmission Line
Proposed Route (500' width)	Proposed Distribution Substation	Structure
Proposed Easement Area (100' width)	Existing Distribution Substation	Residence 50-100' (0)
Proposed Alignment - Single Circuit 115 kV	Minnesota Power	Residence 100-150' (0)
Proposed Alignment - Double Circuit 115 kV	Proposed Transmission Substation	Residence 150-250' (1)
Proposed Transmission Substation	Existing Distribution Substation	Commercial / Industrial 50-100' (0)
Existing 34.5 kV Transmission Line	Other Electric Transmission Utility	Non-Residential Building 0-250' (2)
Existing 115 kV Transmission Line	Existing 34.5 kV Transmission Line	Minnesota Pipe Line
Existing Transmission Substation	Existing 115 kV Transmission Line	Proposed Pump Station
Proposed Substation Fence	Existing 230 kV Transmission Line	Existing Pipeline

Menahga Area 115 kV Project
Appendix G - Detailed Route Maps
Map Sheet 23 of 35

N
 0 50 100 200 Feet
 GIS Data sources include:
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Source: Esri, DigitalGlobe, GeoEye, i-cubed, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community

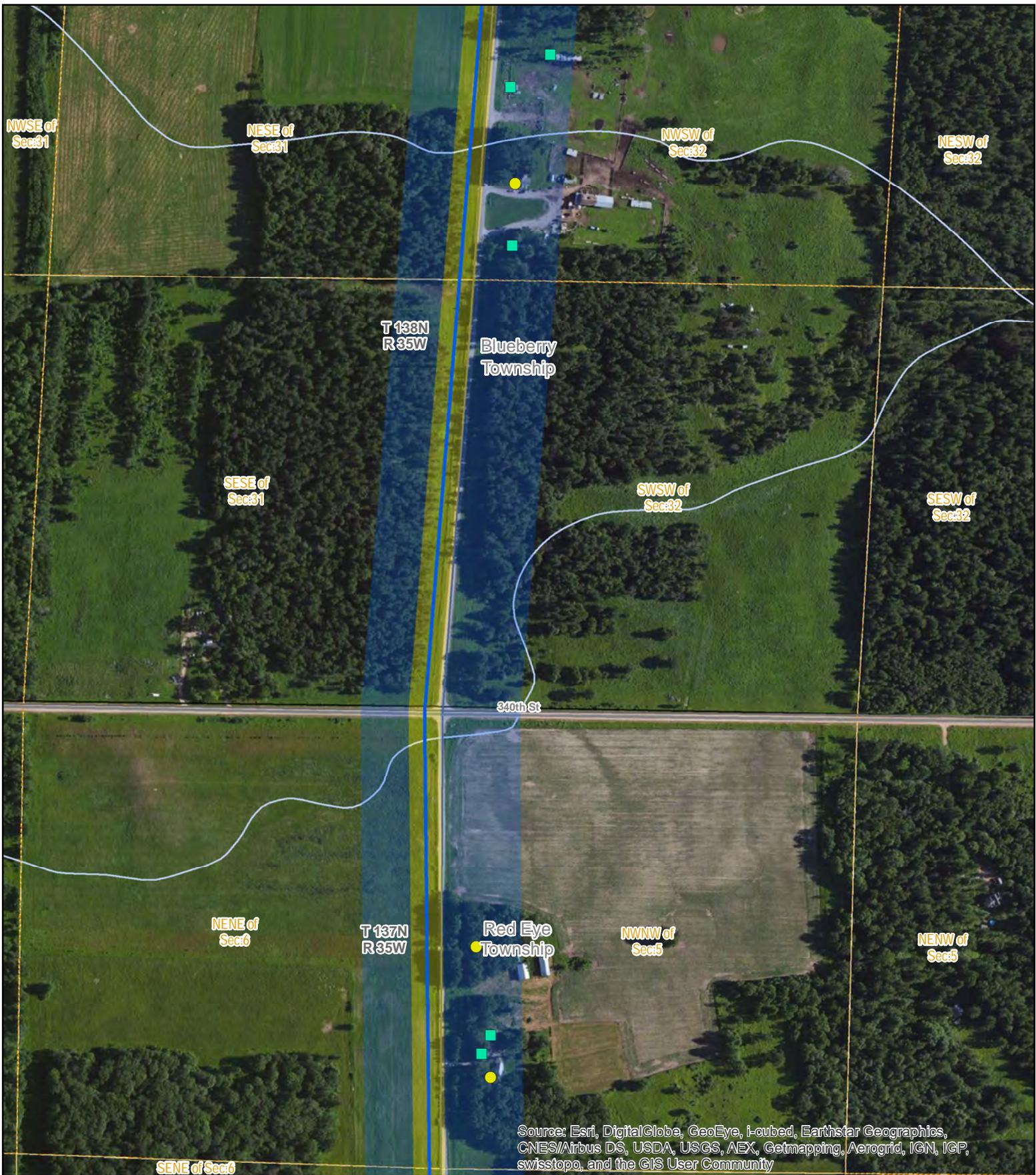
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|--|-------------------------------------|---------------------------------------|
| Great River Energy | Todd-Wadena Electric | Existing 250 kV Transmission Line |
| Proposed Route (500' width) | Proposed Distribution Substation | Structure |
| Proposed Easement Area (100' width) | Existing Distribution Substation | ● Residence 50-100' (0) |
| Proposed Alignment - Single Circuit 115 kV | Minnesota Power | ● Residence 100-150' (0) |
| Proposed Alignment - Double Circuit 115 kV | Proposed Transmission Substation | ● Residence 150-250' (1) |
| Proposed Transmission Substation | Existing Distribution Substation | ★ Commercial / Industrial 50-100' (0) |
| Existing 34.5 kV Transmission Line | Other Electric Transmission Utility | ■ Non-Residential Building 0-250' (0) |
| Existing 115 kV Transmission Line | Existing 34.5 kV Transmission Line | Minnesota Pipe Line |
| Existing Transmission Substation | Existing 115 kV Transmission Line | Proposed Pump Station |
| Proposed Substation Fence | Existing 230 kV Transmission Line | Existing Pipeline |

Menahga Area 115 kV Project Appendix G - Detailed Route Maps

Map Sheet 24 of 35

0 50 100 200 Feet
GIS Data sources include:
MNGEO, MNDNR, MNDOT, and Great River Energy.





Source: Esri, DigitalGlobe, GeoEye, i-cubed, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community

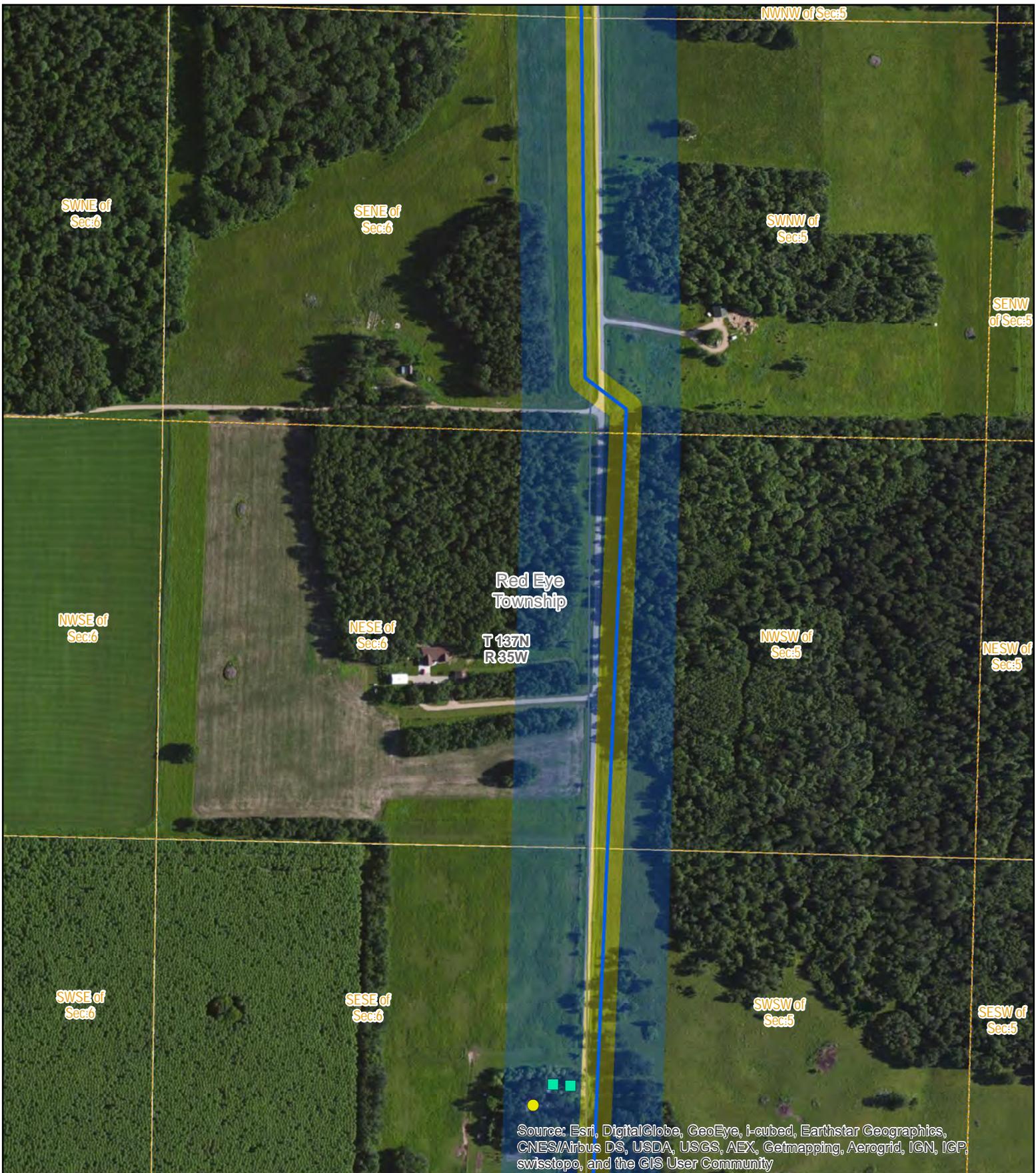
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|--|-------------------------------------|-------------------------------------|
| Great River Energy | Todd-Wadena Electric | Existing 250 kV Transmission Line |
| Proposed Route (500' width) | Proposed Distribution Substation | Structure |
| Proposed Easement Area (100' width) | Existing Distribution Substation | Residence 50-100' (0) |
| Proposed Alignment - Single Circuit 115 kV | Minnesota Power | Residence 100-150' (0) |
| Proposed Alignment - Double Circuit 115 kV | Proposed Transmission Substation | Residence 150-250' (3) |
| Proposed Transmission Substation | Existing Distribution Substation | Commercial / Industrial 50-100' (0) |
| Existing 34.5 kV Transmission Line | Other Electric Transmission Utility | Non-Residential Building 0-250' (5) |
| Existing 115 kV Transmission Line | Existing 34.5 kV Transmission Line | Minnesota Pipe Line |
| Existing Transmission Substation | Existing 115 kV Transmission Line | Proposed Pump Station |
| Proposed Substation Fence | Existing 230 kV Transmission Line | Existing Pipeline |

Menahga Area 115 kV Project
Appendix G - Detailed Route Maps
Map Sheet 25 of 35

N
0 50 100 200 Feet
GIS Data sources include:
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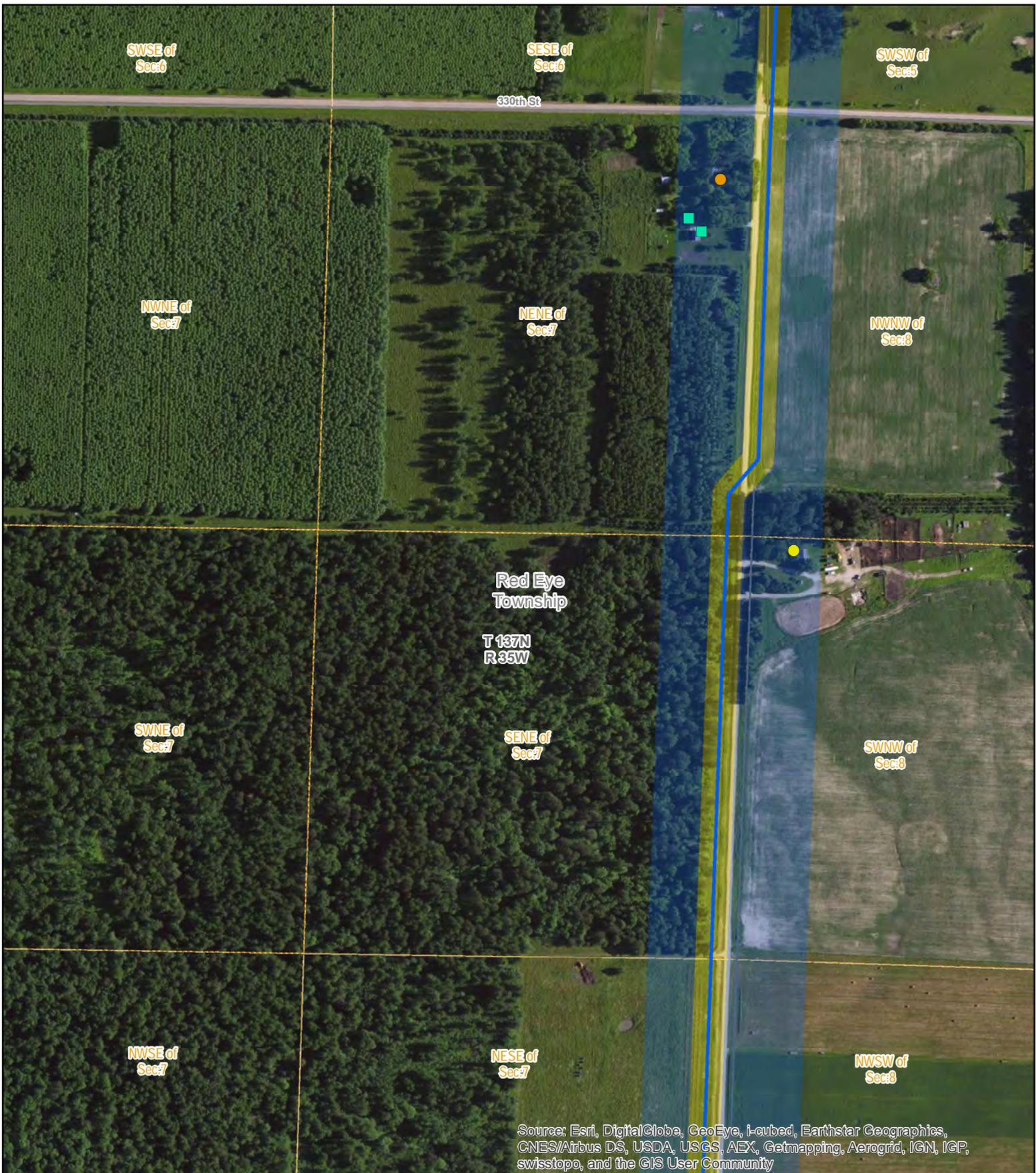
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|--|-------------------------------------|---------------------------------------|
| Great River Energy | Todd-Wadena Electric | Existing 250 kV Transmission Line |
| Proposed Route (500' width) | Proposed Distribution Substation | Structure |
| Proposed Easement Area (100' width) | Existing Distribution Substation | ● Residence 50-100' (0) |
| Proposed Alignment - Single Circuit 115 kV | Minnesota Power | ● Residence 100-150' (0) |
| Proposed Alignment - Double Circuit 115 kV | Proposed Transmission Substation | ● Residence 150-250' (1) |
| Proposed Transmission Substation | Existing Distribution Substation | ★ Commercial / Industrial 50-100' (0) |
| Existing 34.5 kV Transmission Line | Other Electric Transmission Utility | ■ Non-Residential Building 0-250' (2) |
| Existing 115 kV Transmission Line | Existing 34.5 kV Transmission Line | Minnesota Pipe Line |
| Existing Transmission Substation | Existing 115 kV Transmission Line | Proposed Pump Station |
| Proposed Substation Fence | Existing 230 kV Transmission Line | Existing Pipeline |

Menahga Area 115 kV Project
Appendix G - Detailed Route Maps
Map Sheet 26 of 35

N
0 50 100 200 Feet
GIS Data sources include:
MINGEO, MNDNR, MNDOT, and Great River Energy.

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Source: Esri, DigitalGlobe, GeoEye, i-cubed, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community

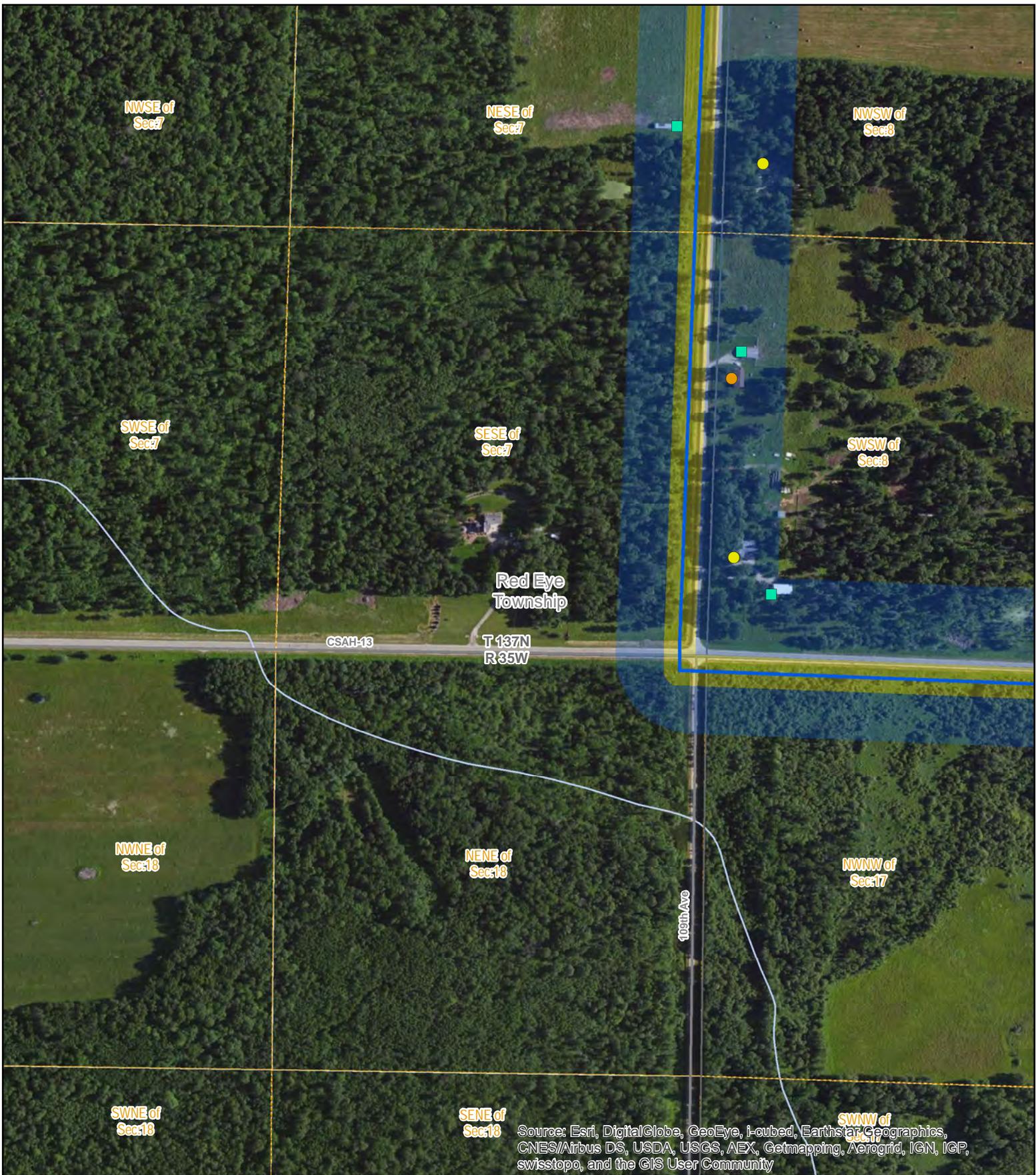
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|--|-------------------------------------|-------------------------------------|
| Great River Energy | Todd-Wadena Electric | Existing 250 kV Transmission Line |
| Proposed Route (500' width) | Proposed Distribution Substation | Structure |
| Proposed Easement Area (100' width) | Existing Distribution Substation | Residence 50-100' (0) |
| Proposed Alignment - Single Circuit 115 kV | Minnesota Power | Residence 100-150' (1) |
| Proposed Alignment - Double Circuit 115 kV | Proposed Transmission Substation | Residence 150-250' (1) |
| Proposed Transmission Substation | Existing Distribution Substation | Commercial / Industrial 50-100' (0) |
| Existing 34.5 kV Transmission Line | Other Electric Transmission Utility | Non-Residential Building 0-250' (2) |
| Existing 115 kV Transmission Line | Existing 34.5 kV Transmission Line | Minnesota Pipe Line |
| Existing Transmission Substation | Existing 115 kV Transmission Line | Proposed Pump Station |
| Proposed Substation Fence | Existing 230 kV Transmission Line | Existing Pipeline |

Menahga Area 115 kV Project
Appendix G - Detailed Route Maps
Map Sheet 27 of 35

N
 0 50 100 200 Feet
 GIS Data sources include:
 MNGEO, MNDNR, MNDOT, and Great River Energy.

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 A Touchstone Energy Cooperative





Source: Esri, DigitalGlobe, GeoEye, i-cubed, Earthstar, GeoGraphics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community

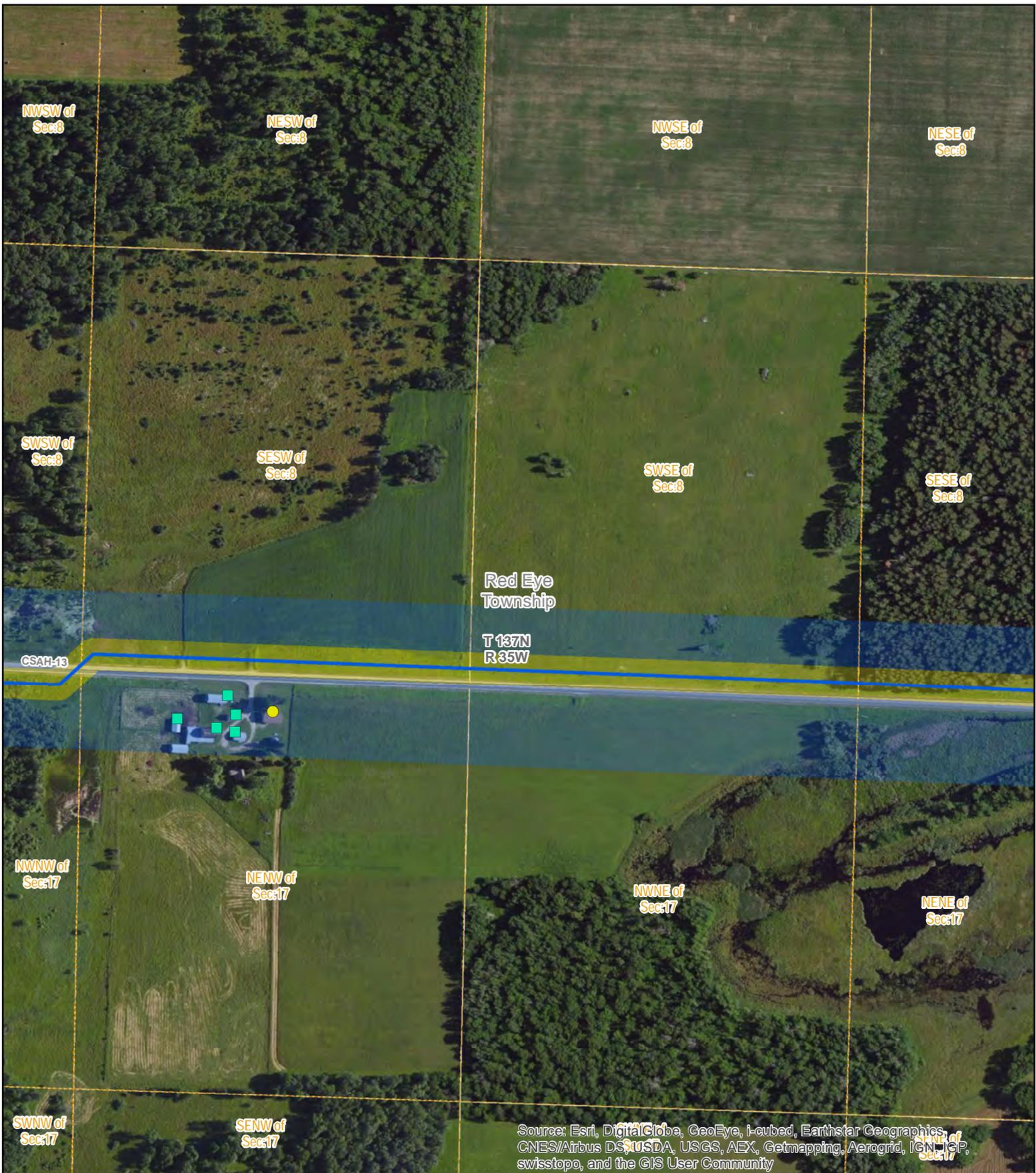
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|--|-------------------------------------|---------------------------------------|
| Great River Energy | Todd-Wadena Electric | Existing 250 kV Transmission Line |
| Proposed Route (500' width) | Proposed Distribution Substation | Structure |
| Proposed Easement Area (100' width) | Existing Distribution Substation | ● Residence 50-100' (0) |
| Proposed Alignment - Single Circuit 115 kV | Minnesota Power | ● Residence 100-150' (1) |
| Proposed Alignment - Double Circuit 115 kV | Proposed Transmission Substation | ● Residence 150-250' (2) |
| Proposed Transmission Substation | Existing Distribution Substation | ★ Commercial / Industrial 50-100' (0) |
| Existing 34.5 kV Transmission Line | Other Electric Transmission Utility | ■ Non-Residential Building 0-250' (3) |
| Existing 115 kV Transmission Line | Existing 34.5 kV Transmission Line | Minnesota Pipe Line |
| Existing Transmission Substation | Existing 115 kV Transmission Line | Proposed Pump Station |
| Proposed Substation Fence | Existing 230 kV Transmission Line | Existing Pipeline |

Menahga Area 115 kV Project
Appendix G - Detailed Route Maps
Map Sheet 28 of 35

N
 0 50 100 200 Feet
 GIS Data sources include:
 MNGEO, MNDNR, MNDOT, and Great River Energy.

GREAT RIVER ENERGY
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Source: Esri, DigitalGlobe, GeoEye, i-cubed, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community

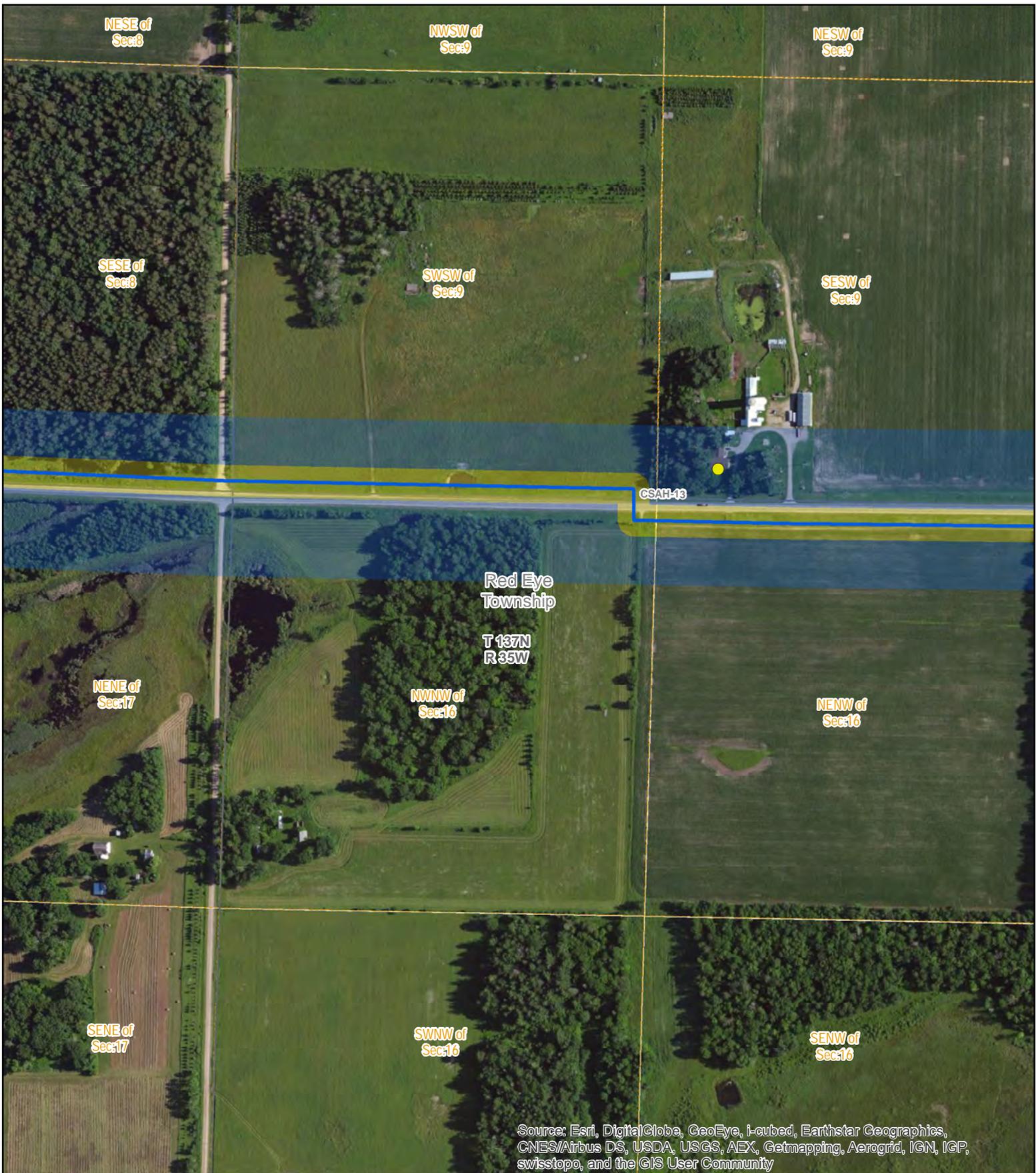
Great River Energy	Todd-Wadena Electric	Existing 250 kV Transmission Line
Proposed Route (500' width)	Proposed Distribution Substation	Structure
Proposed Easement Area (100' width)	Existing Distribution Substation	Residence 50-100' (0)
Proposed Alignment - Single Circuit 115 kV	Minnesota Power	Residence 100-150' (0)
Proposed Alignment - Double Circuit 115 kV	Proposed Transmission Substation	Residence 150-250' (1)
Proposed Transmission Substation	Existing Distribution Substation	Commercial / Industrial 50-100' (0)
Existing 34.5 kV Transmission Line	Other Electric Transmission Utility	Non-Residential Building 0-250' (5)
Existing 115 kV Transmission Line	Existing 34.5 kV Transmission Line	Minnesota Pipe Line
Existing Transmission Substation	Existing 115 kV Transmission Line	Proposed Pump Station
Proposed Substation Fence	Existing 230 kV Transmission Line	Existing Pipeline

Menahga Area 115 kV Project
Appendix G - Detailed Route Maps
Map Sheet 29 of 35

N
0 50 100 200 Feet
GIS Data sources include:
MINGEO, MNDNR, MNDOT, and Great River Energy.

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|--|-------------------------------------|-------------------------------------|
| Great River Energy | Todd-Wadena Electric | Existing 250 kV Transmission Line |
| Proposed Route (500' width) | Proposed Distribution Substation | Structure |
| Proposed Easement Area (100' width) | Existing Distribution Substation | Residence 50-100' (0) |
| Proposed Alignment - Single Circuit 115 kV | Minnesota Power | Residence 100-150' (0) |
| Proposed Alignment - Double Circuit 115 kV | Proposed Transmission Substation | Residence 150-250' (1) |
| Proposed Transmission Substation | Existing Distribution Substation | Commercial / Industrial 50-100' (0) |
| Existing 34.5 kV Transmission Line | Other Electric Transmission Utility | Non-Residential Building 0-250' (0) |
| Existing 115 kV Transmission Line | Existing 34.5 kV Transmission Line | Minnesota Pipe Line |
| Existing Transmission Substation | Existing 115 kV Transmission Line | Proposed Pump Station |
| Proposed Substation Fence | Existing 230 kV Transmission Line | Existing Pipeline |

Menahga Area 115 kV Project Appendix G - Detailed Route Maps

Map Sheet 30 of 35

0 50 100 200 Feet
GIS Data sources include:
MINGEO, MNDNR, MNDOT, and Great River Energy.





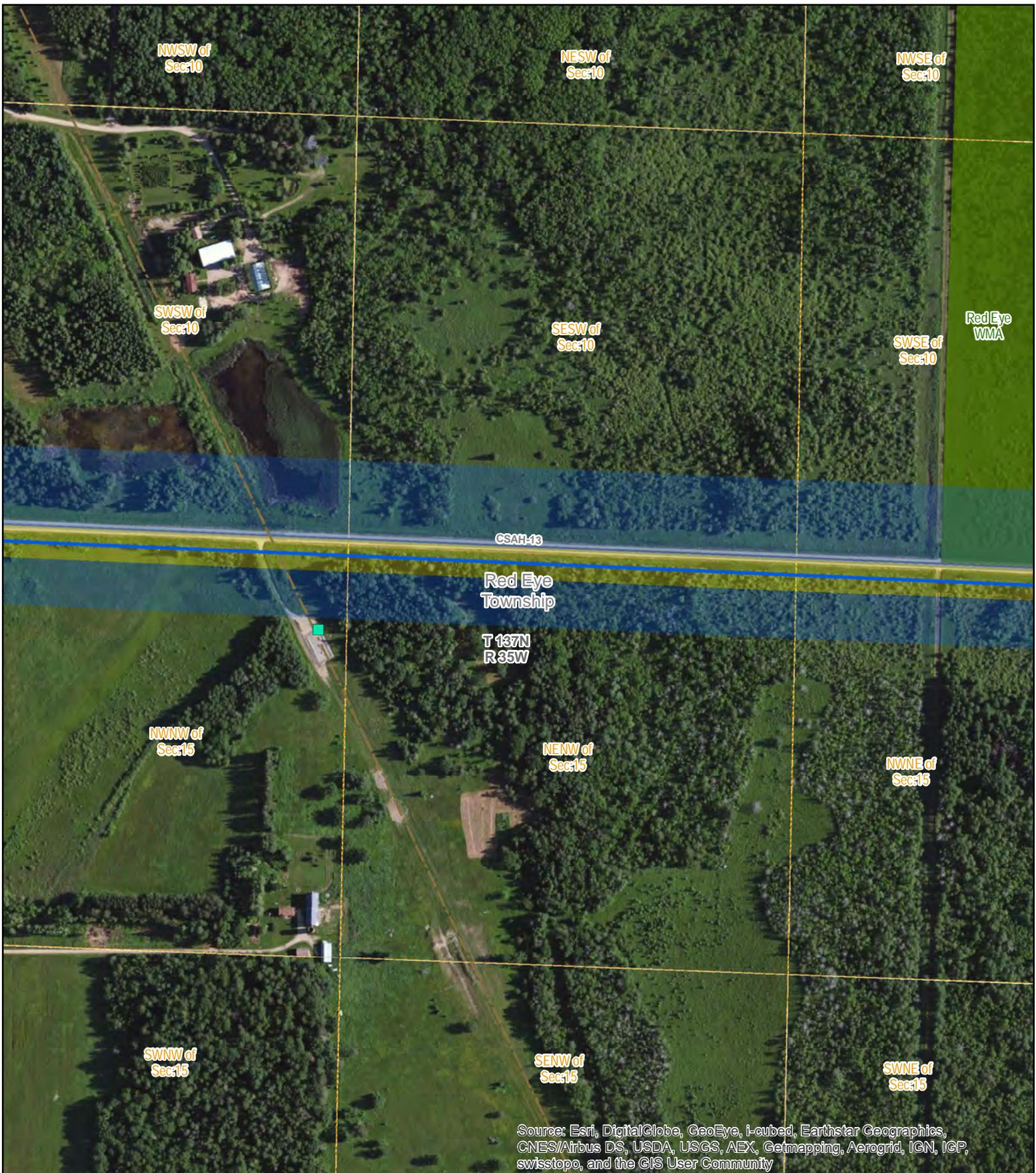
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| Great River Energy | Todd-Wadena Electric | Existing 250 kV Transmission Line |
| Proposed Route (500' width) | Proposed Distribution Substation | Structure |
| Proposed Easement Area (100' width) | Existing Distribution Substation | ● Residence 50-100' (0) |
| Proposed Alignment - Single Circuit 115 kV | Minnesota Power | ● Residence 100-150' (0) |
| Proposed Alignment - Double Circuit 115 kV | Proposed Transmission Substation | ● Residence 150-250' (0) |
| Proposed Transmission Substation | Existing Distribution Substation | ★ Commercial / Industrial 50-100' (0) |
| Existing 34.5 kV Transmission Line | Other Electric Transmission Utility | ■ Non-Residential Building 0-250' (1) |
| Existing 115 kV Transmission Line | Existing 34.5 kV Transmission Line | Minnesota Pipe Line |
| Existing Transmission Substation | Existing 115 kV Transmission Line | ■ Proposed Pump Station |
| Proposed Substation Fence | Existing 230 kV Transmission Line | — Existing Pipeline |

Menahga Area 115 kV Project
Appendix G - Detailed Route Maps
Map Sheet 31 of 35

0 50 100 200 Feet
 GIS Data sources include:
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Great River Energy	Todd-Wadena Electric	Existing 250 kV Transmission Line Structure
Proposed Route (500' width)	Proposed Distribution Substation	Residence 50-100' (0)
Proposed Easement Area (100' width)	Existing Distribution Substation	Residence 100-150' (0)
Proposed Alignment - Single Circuit 115 kV	Minnesota Power	Residence 150-250' (0)
Proposed Alignment - Double Circuit 115 kV	Proposed Transmission Substation	Commercial / Industrial 50-100' (0)
Proposed Transmission Substation	Existing Distribution Substation	Non-Residential Building 0-250' (1)
Existing 34.5 kV Transmission Line	Other Electric Transmission Utility	Minnesota Pipe Line
Existing 115 kV Transmission Line	Existing 34.5 kV Transmission Line	Proposed Pump Station
Existing Transmission Substation	Existing 115 kV Transmission Line	Existing Pipeline
Proposed Substation Fence	Existing 230 kV Transmission Line	

Menahga Area 115 kV Project
Appendix G - Detailed Route Maps
Map Sheet 32 of 35

N
0 50 100 200 Feet
GIS Data sources include:
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Source: Esri, DigitalGlobe, GeoEye, i-cubed, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community

Great River Energy	Todd-Wadena Electric	Existing 250 kV Transmission Line
Proposed Route (500' width)	Proposed Distribution Substation	Structure
Proposed Easement Area (100' width)	Existing Distribution Substation	Residence 50-100' (0)
Proposed Alignment - Single Circuit 115 kV	Minnesota Power	Residence 100-150' (0)
Proposed Alignment - Double Circuit 115 kV	Proposed Transmission Substation	Residence 150-250' (1)
Proposed Transmission Substation	Existing Distribution Substation	Commercial / Industrial 50-100' (0)
Existing 34.5 kV Transmission Line	Other Electric Transmission Utility	Non-Residential Building 0-250' (0)
Existing 115 kV Transmission Line	Existing 34.5 kV Transmission Line	Minnesota Pipe Line
Existing Transmission Substation	Existing 115 kV Transmission Line	Proposed Pump Station
Proposed Substation Fence	Existing 230 kV Transmission Line	Existing Pipeline

Menahga Area 115 kV Project
Appendix G - Detailed Route Maps
Map Sheet 33 of 35

N
0 50 100 200 Feet
GIS Data sources include:
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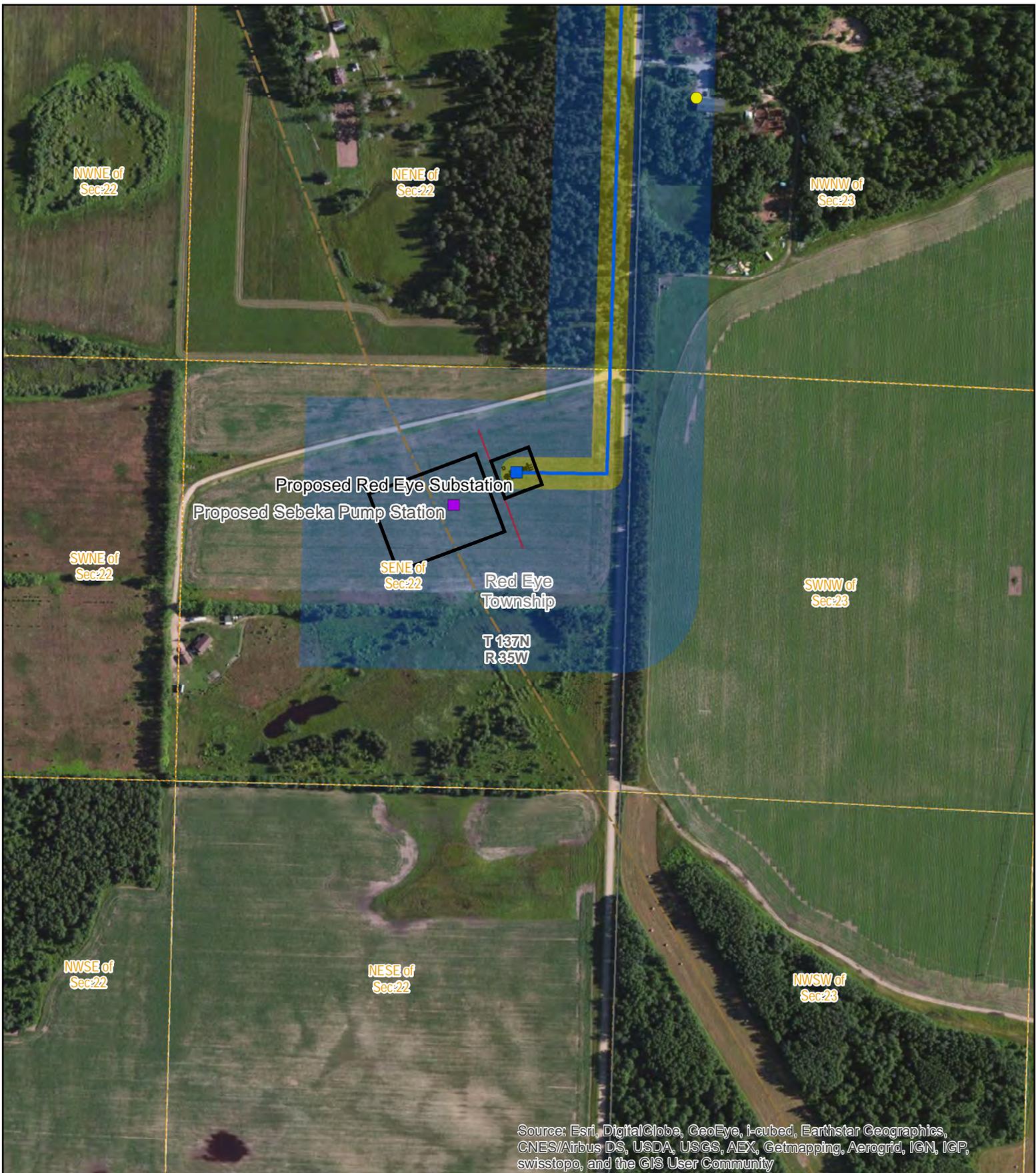
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|--|-------------------------------------|-------------------------------------|
| Great River Energy | Todd-Wadena Electric | Existing 250 kV Transmission Line |
| Proposed Route (500' width) | Proposed Distribution Substation | Structure |
| Proposed Easement Area (100' width) | Existing Distribution Substation | Residence 50-100' (0) |
| Proposed Alignment - Single Circuit 115 kV | Minnesota Power | Residence 100-150' (0) |
| Proposed Alignment - Double Circuit 115 kV | Proposed Transmission Substation | Residence 150-250' (0) |
| Proposed Transmission Substation | Existing Distribution Substation | Commercial / Industrial 50-100' (0) |
| Existing 34.5 kV Transmission Line | Other Electric Transmission Utility | Non-Residential Building 0-250' (0) |
| Existing 115 kV Transmission Line | Existing 34.5 kV Transmission Line | Minnesota Pipe Line |
| Existing Transmission Substation | Existing 115 kV Transmission Line | Proposed Pump Station |
| Proposed Substation Fence | Existing 230 kV Transmission Line | Existing Pipeline |

Menahga Area 115 kV Project
Appendix G - Detailed Route Maps
Map Sheet 34 of 35

N
0 50 100 200 Feet
GIS Data sources include:
MNGEO, MNDNR, MNDOT, and Great River Energy.

GREAT RIVER ENERGY
A Touchstone Energy Cooperative





Source: Esri, DigitalGlobe, GeoEye, i-cubed, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community

- | | | |
|--|-------------------------------------|-------------------------------------|
| Great River Energy | Todd-Wadena Electric | Existing 250 kV Transmission Line |
| Proposed Route (500' width) | Proposed Distribution Substation | Structure |
| Proposed Easement Area (100' width) | Existing Distribution Substation | Residence 50-100' (0) |
| Proposed Alignment - Single Circuit 115 kV | Minnesota Power | Residence 100-150' (0) |
| Proposed Alignment - Double Circuit 115 kV | Proposed Transmission Substation | Residence 150-250' (1) |
| Proposed Transmission Substation | Existing Distribution Substation | Commercial / Industrial 50-100' (0) |
| Existing 34.5 kV Transmission Line | Other Electric Transmission Utility | Non-Residential Building 0-250' (0) |
| Existing 115 kV Transmission Line | Existing 34.5 kV Transmission Line | Minnesota Pipe Line |
| Existing Transmission Substation | Existing 115 kV Transmission Line | Proposed Pump Station |
| Proposed Substation Fence | Existing 230 kV Transmission Line | Existing Pipeline |

Menahga Area 115 kV Project Appendix G - Detailed Route Maps

Map Sheet 35 of 35

0 50 100 200 Feet
GIS Data sources include:
MINGEO, MNDNR, MNDOT, and Great River Energy.



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